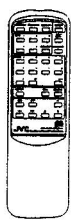
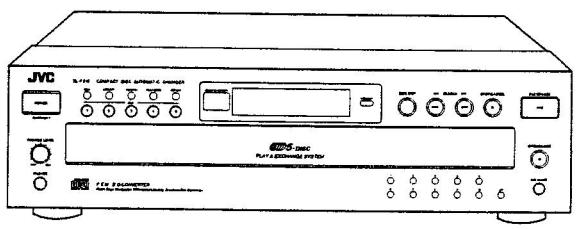
JVC

COMPACT DISC AUTOMATIC CHANGER

XL-F115TN/XL-F116BK
XL-F215TN/XL-F216BK

XL-F215TN/XL-F216BK

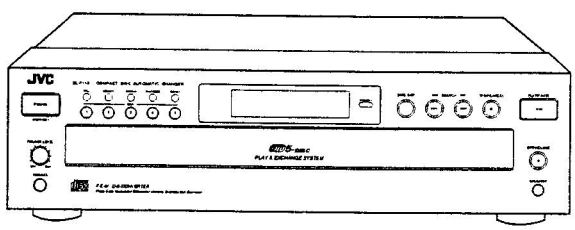




COMPACT disc DIGITAL AUDIO

COMPU LINK Remote Control Component

XL-F115TN/XL-F116BK



COMPACT disc DIGITAL AUDIO

COMPU LINK Component

Area Suffix	
BS	the U.K.
C	Canada
EF	Continental Europe
EN	Scandinavia
G	Germany
J	the U.S.A.
UT	Taiwan
U	Other Area

No. 20485
Jun. 1994

Instruction Book

INTRODUCTION

Precautions

Load compact discs only
Never insert anything other than compact discs into any part of the player.

If a problem persists
If something goes wrong, turn off the power immediately. If the same problem reoccurs when the power is turned on once more, turn off the power again and consult your JVC dealer.

Handling the power cord
When unplugging from the wall socket, always pull the plug body, never the power cable.

Volume settings
A CD player has almost zero background noise. Because of this, the technique of listening to the background level and then setting the volume before the music starts, as used with analog turntables or tape decks, cannot be used. If you raise the volume level too high, speaker damage may result.

Condensation
The CD player uses optical components. If it is moved from a cold location to a warm one, or is used in a room subject to excessive humidity or where a fire has just been lit, condensation could form on the optical components.
This may prevent the laser beam from being properly transmitted and thus causes noise or even a malfunction.
If condensation has formed and the CD player does not function correctly, we recommend that you leave it turned on for an hour or two. If at the end of this time the CD player still does not function properly, please consult your JVC dealer.

Transporting the unit
When carrying this unit, it is best to avoid either tilting it or turning it upside-down. Where you cannot avoid doing so, please remove the discs first.

Using compact discs
Compact discs are made of plastic and can easily be damaged. If the disc is dirty, scratched, warped or otherwise damaged, the digital information may not be picked up correctly.

Applicable discs
This unit can only be used with compact discs bearing the mark below. Never use discs of other types.

COMPACT disc DIGITAL AUDIO

About this manual

This manual covers the operating instructions for the compact disc automatic changers XL-F215TN and XL-F115TN.
There are several functions which require separate instructions for each model. Please check the model number stated on the carton box and follow the descriptions applicable to your unit.
Especially, please note that the remote control unit RM-SX215U is supplied only with XL-F215TN. For XL-F115TN, ignore all the descriptions on the remote control unit.

This manual is organized as follows:

The first part, "INTRODUCTION", gives you the precautions when using this unit, and shows you the names of buttons on the main unit and the remote control unit.

The second part, "BEFORE USING FOR THE FIRST TIME", tells you what kind of operations you should do before playing discs. This part describes where to place the unit for best results, how to install batteries in the remote control unit and how to connect this unit to the amplifier/receiver and other components.

The third part, "BASIC OPERATIONS", describes how to load discs, and convenient basic functions for playing discs.

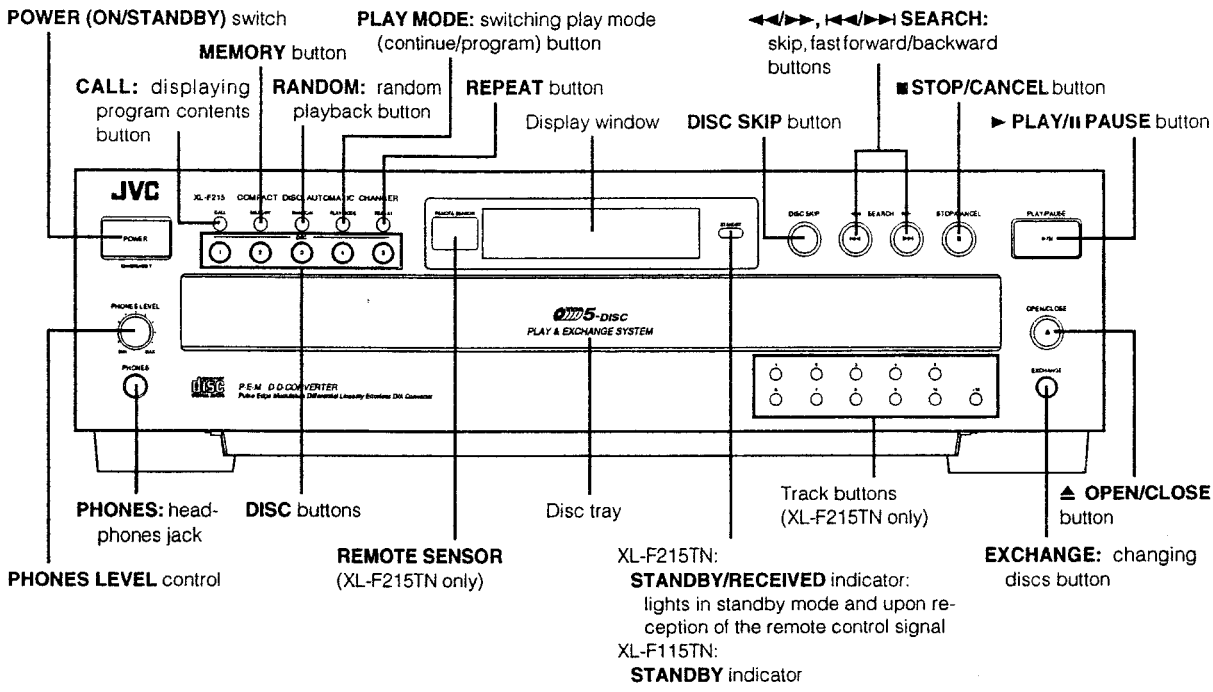
The fourth part, "VARIOUS PLAYBACK PATTERNS", describes various functions for playing discs, and convenient functions for recording.

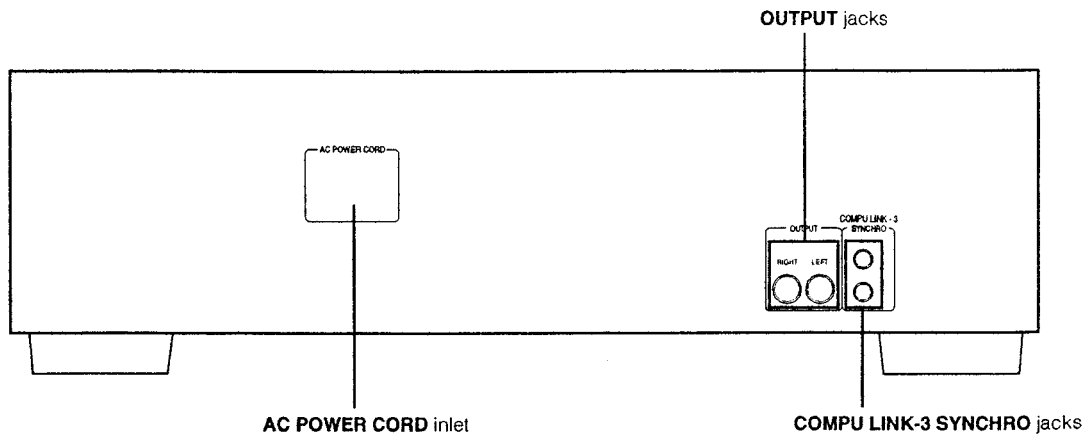
The fifth part, "GENERAL INFORMATIONS", describes the COMPU LINK remote control system which facilitates various operations between JVC components, and explains how to take care of discs.
This part also includes "Troubleshooting", which tells you how to check the unit when a malfunction occurs, and the technical informations regarding this unit.

1-4 (No. 20485)

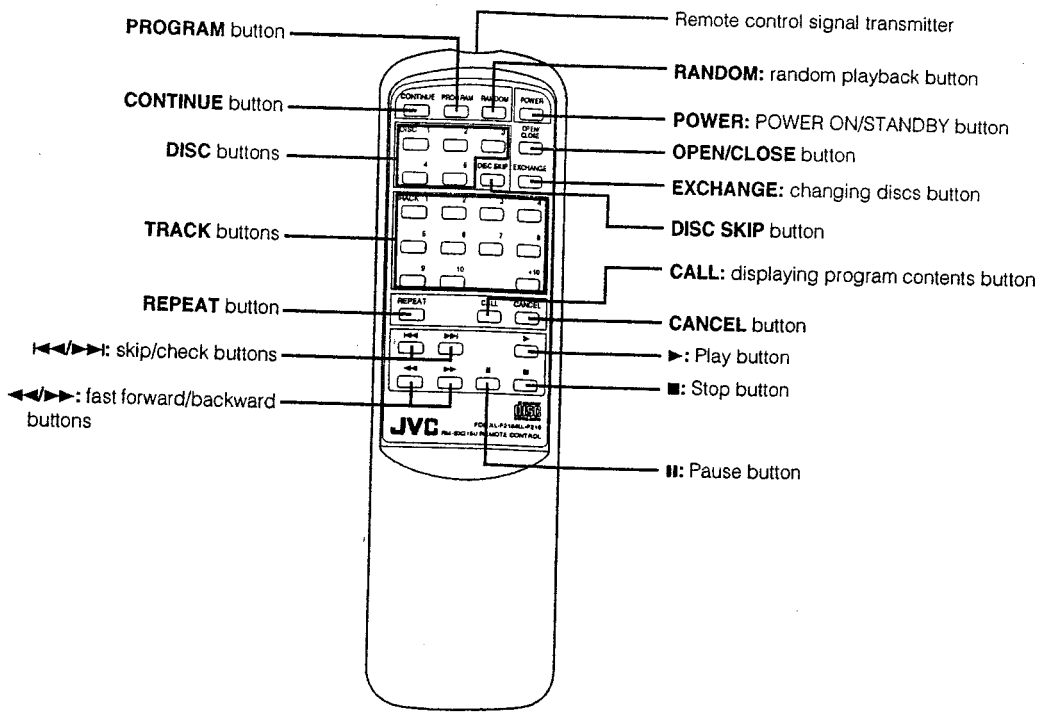
Names of buttons

Main unit

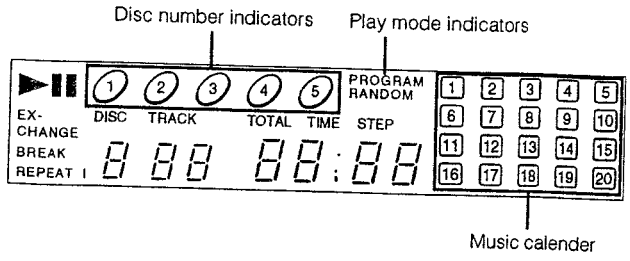




Remote control unit (for XL-F215TN)



Display window



Notes on the disc number indicators

- When the power is turned on or the disc tray is closed with the ⏏ OPEN/CLOSE button, the unit searches for loaded discs starting from the disc tray 1. When no disc is loaded, the disc number disappears from the display and unit goes on searching for the next tray.
- When no disc is loaded in the unit, "no disc" appears on the display.
- In continue play mode, when playback of one disc is finished, the circle around the corresponding disc number disappears.
- In program mode, circle appears around the disc number selected at that moment.
- When the EXCHANGE button is pressed, the indication of the disc numbers is reset to the original status and all the disc numbers (1-5) with their circle appear on the display.

BEFORE USING FOR THE FIRST TIME

Installing the unit

Best location
Select a location which is level, dry and neither too cold nor too hot (temperature range 5°C (41°F) to 35°C (95°F)). Also, avoid dusty locations or any location subject to vibration.

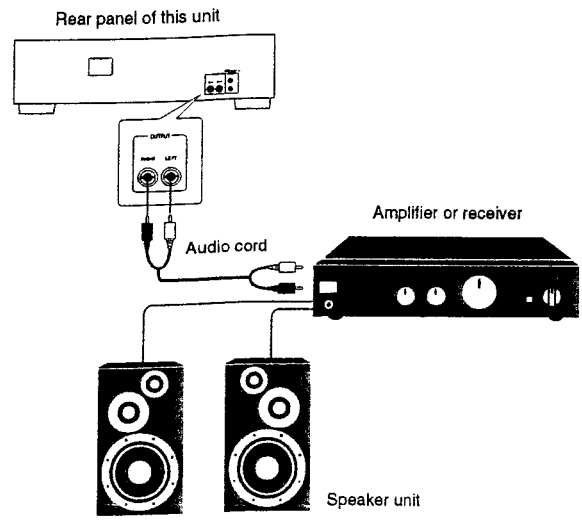
If interference occurs
If this unit is placed near a tuner or a radio receiver tuned to AM frequencies, interference may occur. If this happens, we recommend either that you move this unit as far away as possible from the tuner or receiver or briefly turn off the power to this unit.

Connecting to other equipments

Connecting to an amplifier or receiver allows you to listen to the sound from the speakers.
Connect the OUTPUT jacks of this unit to the line input jacks of an amplifier or receiver with the supplied audio cord.

Notes

- *Never connect the OUTPUT jacks to the PHONO jacks of the amplifier or receiver. This may cause damage to the components.*
- *Make sure that the same channels are connected between this unit and the amplifier or receiver: LEFT to LEFT and RIGHT to RIGHT.*
- *Do not connect the power plug until all connections are complete.*
- *Connect the plugs firmly. Loose connections may cause noise or malfunction.*

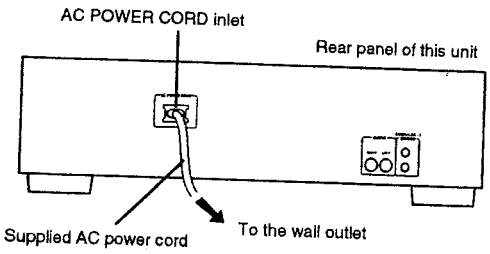


Supplying the power

To connect the AC power cord of the main unit

The AC power cord is supplied separately and must be connected to the unit.
Plug the AC power cord into the AC POWER CORD inlet of this unit and connect to the wall outlet after all connections are complete.

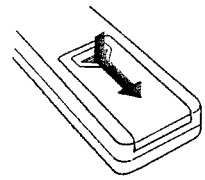
Note
When using the COMPU LINK Remote Control System, do not connect the power cord to the SWITCHED AC OUTLET of an amplifier or receiver.



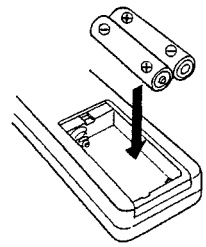
To install the batteries in the remote control unit (for XL-F215TN)

Before operating the remote control unit, install two batteries.

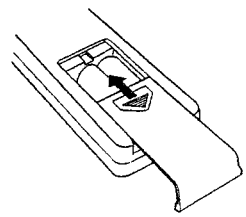
1. **Remove the rear cover of the remote control unit by pressing down and simultaneously pulling it backwards.**



2. **Install batteries. Be sure that the batteries are installed with correct polarity, (+) and (–).**



3. **Attach the rear cover by sliding it back into position.**



Notes
Incorrect use of batteries can cause corrosion or damage. Note the following points to lengthen battery life.
- *Install batteries observing the correct polarity, (+) and (–).*
- *Do not use new and old batteries simultaneously.*
- *Batteries with similar shapes may have different voltage ratings. Be sure to use the correct batteries.*
- *Remove batteries from the remote control unit if it will not be used for a long period of time.*
- *Do not expose batteries to heat or flame.*

Battery replacement
Service life of batteries depends on the condition of use; standard life is about one year. When the batteries become weak, the operating distance of the remote control unit becomes short . If this happens, replace the batteries (1.5 V, UM-3D, size AA) with new ones.
Note
- *The lower the temperature, the shorter the battery life.*

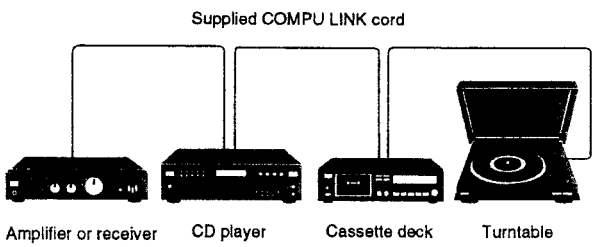
COMPU LINK connection

JVC's COMPU LINK Remote Control System provides unified control over system components connected with COMPU LINK. Connecting JVC audio components with the COMPU LINK jacks automatically controls relative operations between components and facilitates various operations. With the COMPU LINK connection to an amplifier or receiver, you can operate XL-F215TN/XL-F115TN with the amplifier or receiver's remote control unit. Synchronized recording is also available with this feature.

Connecting the COMPU LINK cord

The COMPU LINK-3 SYNCHRO jacks are used to output and input the control signal for the COMPU LINK remote control system.
COMPU LINK-compatible products are provided with the jacks marked COMPU LINK-1, COMPU LINK-2 or COMPU LINK-3, referring to the COMPU LINK version. XL-F215TN/XL-F115TN is equipped with COMPU LINK-3. You can connect XL-F215TN/XL-F115TN also to a component with lower COMPU LINK versions. But, in that case, only the lower versions' features will be available.
Plug the supplied COMPU LINK cord into the COMPU LINK-3 SYNCHRO jack on the rear panel of XL-F215TN/XL-F115TN. Plug the other end into the COMPU LINK jack of the other component. If there are two COMPU LINK jacks, plug it into either of them.

Connecting the COMPU LINK system components with the COMPU LINK cords

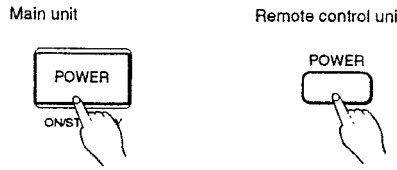


BASIC OPERATIONS

Basic functions for disc playback

Turning on the power of this unit

Press the POWER switch to turn on this unit. The STANDBY indicator is turned off and the display is turned on.



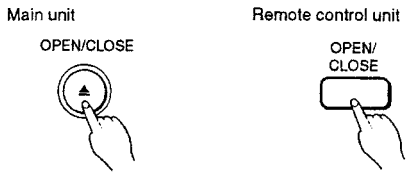
Press again to turn off the power and activate the standby mode. The STANDBY indicator is lit.

The power is automatically turned on also by;
- Pressing the ≜ OPEN/CLOSE button.
- Pressing the ► PLAY/II PAUSE button on the main unit or the ► button on the remote control unit.

Notes
- *A small amount of power (4 watts) is consumed even in the standby mode.*
- *To turn off the power completely, disconnect the power cord from the wall outlet.*

Loading discs in the disc tray

Use the ≜ OPEN/CLOSE button to open and close the disc tray.



1. **Open the disc tray by pressing the ≜ OPEN/CLOSE button.**
2. **Place discs on the disc tray according to the groove with their label side up.**
3. **Close the disc tray by pressing the ≜ OPEN/CLOSE button.**

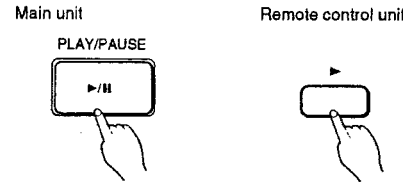
CAUTION
When loading discs in the disc tray, be sure to put the discs according to the groove. Otherwise, the discs will be damaged when the disc tray is closed, and cannot be removed from the unit.

Remote control operation (for XL-F215TN)

Point the remote control unit towards the REMOTE SENSOR and operate it steadily and carefully. The remote control unit can be used within a range of about 7 meters (23 feet) from the REMOTE SENSOR, and at angles of up to about 30 degrees.

Playing a disc

Press the ► PLAY/II PAUSE button on the main unit or the ► button on the remote control unit.



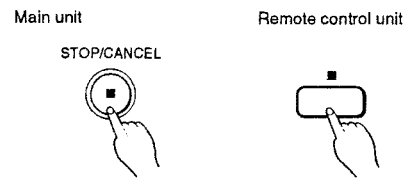
The ► indicator lights on the display and playback starts.

To stop playback temporarily, press the ► PLAY/II PAUSE button on the main unit or the II button on the remote control unit.
The II indicator lights on the display and playback stops temporarily.
To resume playback, press the ► PLAY/II PAUSE button on the main unit or the ► button on the remote control unit.

Adjusting the headphones level
Insert the headphones plug into the PHONES jack and turn the PHONES LEVEL control to adjust the volume level.

Stopping playback

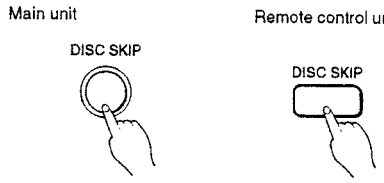
Press the ■ STOP/CANCEL button on the main unit or the ■ button on the remote control unit.



Locating a point to start playback

Skipping to a desired disc

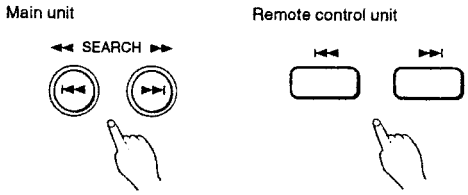
Use the DISC SKIP button.



Each time the DISC SKIP button is pressed, the selected disc number switches from 1 to 5, then back to 1.

Skipping to a desired track

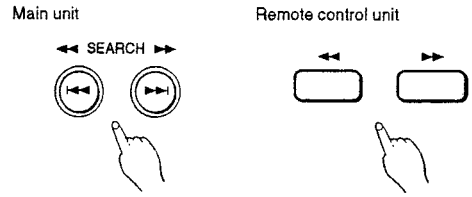
Use the ⏮/⏭ buttons.



To skip back to the beginning of the track being played, tap the ⏮ button. When the beginning of the track is reached, tapping this button again skips to the previous track.
To skip to the next track, tap the ⏭ button.
When using the ⏮/⏭ SEARCH buttons on the main unit, tap them until the desired track appears.

Searching for a desired section

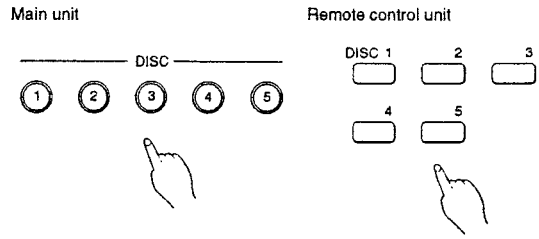
Keep the ◀◀/▶▶ button pressed during playback.



Playback advances or reverses rapidly.
While the ◀◀ button is kept pressed, playback rapidly reverses toward the beginning of the track. While the ▶▶ button is kept pressed, playback rapidly advances toward the end of the track. When the desired section is reached, release the button. The player resumes normal playback from that point.

Specifying a desired disc

Use the DISC buttons (1-5).

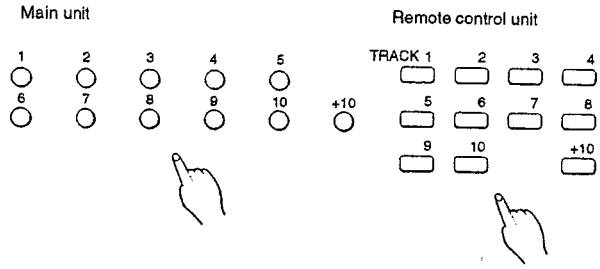


To select a disc, press the desired disc number (1-5). The unit searches for the selected disc and playback starts automatically.

Note
If no disc is loaded in the selected disc tray, the indicator of that disc is turned off within about 4 seconds and then playback starts from the next disc.

Specifying a desired track (for XL-F215TN)

To specify the desired track number, use the track buttons (1-10, +10).



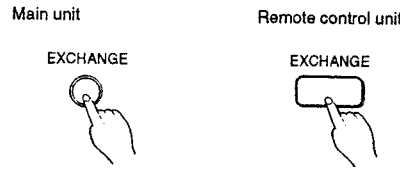
The unit searches for the selected track and playback starts automatically.
When selecting track number 10 or less, press the corresponding track button. When selecting track number 11 or above, use the [+10] button.
Example: To select track number 12, press [+10] and then [2].
To select track number 25, press [+10] twice and then [5].
To select track number 30, press [+10] twice and then [10].

Note
If the selected track number does not exist on the selected disc, playback starts from the first track on that disc.

Changing discs during playback

During playback of a disc, you can change other discs in the disc tray without stopping playback.

Press the EXCHANGE button. The disc tray opens and you can change the discs inside.



To change the discs loaded in the far end of the disc tray, press the DISC SKIP button to make the disc tray rotate.
After changing the discs, press the EXCHANGE button again to close the disc tray.

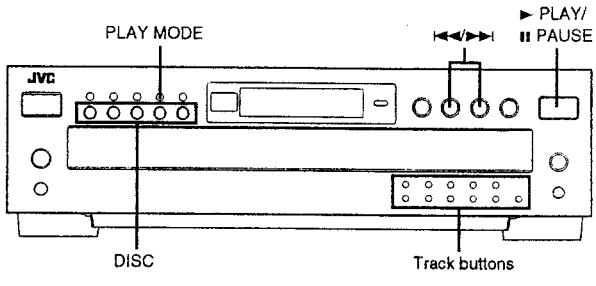
It is also possible to change the discs during program playback or random playback, following the above procedure.

Note
When the disc tray is opened by pressing the EXCHANGE button, it is not possible to close it by pushing it back with hand. Press the EXCHANGE button again to close the tray.

VARIOUS PLAYBACK PATTERNS

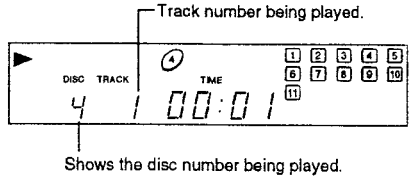
Playing tracks in a order of track/disc number

You can continuously play all the loaded discs, starting from any track on any disc.



1. **Press the PLAY MODE button on the main unit or the CONTINUE button on the remote control unit so that both the PROGRAM and RANDOM indicators are turned off on the display.**
   When you want to play from a desired disc or track, go to step 3.

2. **Press the ► PLAY/II PAUSE button on the main unit or the ► button on the remote control unit to start playback.**
   Playback starts from the previously selected disc.
   If the disc tray is not closed, pressing the ► PLAY/II PAUSE button closes the disc tray and then starts playback.
   The following display appears.

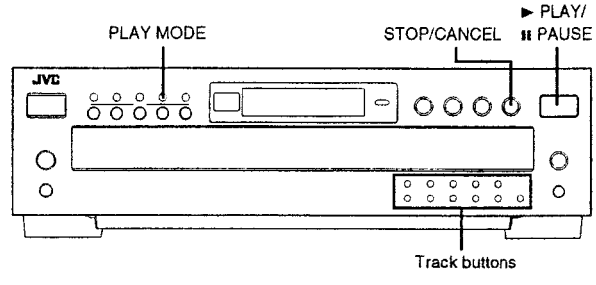


3. **Use the DISC button to select the disc number which contains the first track to be played.**
   When you want to play from the first track on the selected disc, it is not necessary to select the track number.

4. **Select the track number with the I◄◄/►►I buttons or, for XL-F215TN, the track buttons.**
   The selected track number appears on the display and playback starts from the selected track automatically.

Playing tracks in a desired order

You can play only the favorite tracks in any desired order.

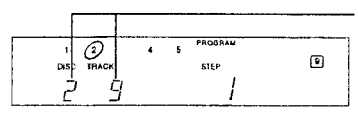


1. **In stop mode, press the PLAY MODE button on the main unit or the PROGRAM button on the remote control unit so that the PROGRAM indicator lights on the display.**

2. **Select the disc which contains the track to be programmed with the DISC button.**
   "AL" (all tracks) appears on the display.

   To program the entire disc
   Skip step 3 below. When the track number is not specified after selecting the disc number, all tracks on the selected disc are programmed.

3. **For XL-F215TN, select the track number by pressing the track buttons. For XL-F115TN, select the track number by pressing the I◄◄/►►I SEARCH button and then the MEMORY button.**
   Refer to "Specifying a desired track" on page 9 for entering the track number. For XL-F115TN, press the MEMORY button with the desired track number shown on the display.
   When the selected track number is programmed, the following display appears.



- If you want to cancel the displayed program step, press the ■ STOP/CANCEL button on the main unit or the CANCEL button on the remote control unit and then enter the new disc number and/or track number.

4. **Repeat steps 2 and 3 for other tracks and/or discs to be programmed.**
   You can program up to 32 steps.

5. **Start playback by pressing the ► PLAY/II PAUSE button on the main unit or the ► button on the remote control unit.**
   The programmed tracks and/or discs are played in the programmed order.

- You can skip to a desired program step with the I◄◄/►►I button.
- When the DISC SKIP button is pressed during program play, the playback skips to the next programmed disc.

(No. 20485) 1-13

To check the program contents

Press the CALL button during stop mode. Each time the CALL button is pressed, the program contents are displayed in the programmed order.

- When the unit is in program play mode, press the ■ button to enter stop mode and then operate the CALL button.

To modify the program contents

Press the CALL button until the display shows the program step to be corrected. Enter the new disc number and/or track number referring to steps 2 and 3 above.
To delete a program step, press the CALL button until the display shows the program step to be deleted and then press the ■ STOP/CANCEL button on the main unit or the CANCEL button on the remote control unit. You can also delete a displayed program step during programming.

- When the unit is in program play mode, press the ■ button to enter stop mode and then delete the program step.

To add discs/tracks to the program during program playback

Specify the disc number by pressing the DISC button and, with XL-F215TN, the track number by pressing the track buttons.
The specified disc/track is added to the end of the program being played back.

- For XL-F115TN, only the disc number can be specified and the entire disc is added to the program. For this operation, it is not possible to utilize the ⏮/⏭ SEARCH buttons.

To exit program mode

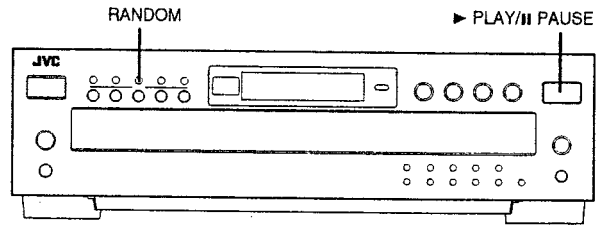
Press the PLAY MODE or RANDOM button on the main unit, or the CONTINUE or RANDOM button on the remote control unit, and the program mode is cancelled. However, the program contents are not erased and, whenever the program mode is selected, you can play the tracks in programmed order.

To clear the program

In stop mode, press the ■ STOP/CANCEL button on the main unit repeatedly. The program contents will be cleared step by step.
To clear the entire program, press the ⏏ OPEN/CLOSE button on the main unit in stop mode. The program contents will be entirely cleared, however, the program mode is not cancelled.

Playing tracks in a random order

You can select and play tracks in random order from all the discs loaded in the unit.
Selections are made so that each track is played only once.



1. **In stop mode, press the RANDOM button so that the RANDOM indicator lights on the display.**
2. **Press the ► PLAY/II PAUSE button on the main unit or the ► button on the remote control unit to start playback.**

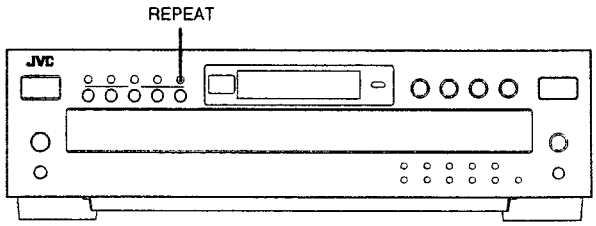
- To skip to the track to be played next, press the ⏭ button.

To cancel random playback

In stop mode, press the PLAY MODE button on the main unit or the CONTINUE or PROGRAM button on the remote control unit. The RANDOM indicator goes out and the random playback is cancelled.

Playing repeatedly

You can repeatedly play all discs or one track.
It is also possible to utilize this function in combination with random/program playback function.



Repeating all discs

Press the REPEAT button so that the REPEAT indicator lights on the display.

All discs loaded in the unit are played repeatedly.
In program mode, the program contents are played repeatedly.

Repeating one track

Press the REPEAT button so that the REPEAT 1 indicator lights on the display.

The displayed track is played repeatedly.

To cancel repeat mode

Press the REPEAT button so that both the REPEAT and REPEAT 1 indicators go out.

GENERAL INFORMATIONS

COMPU LINK remote control system

The COMPU LINK Remote Control System controls relative operations between components automatically and facilitates various operations.

COMPU LINK
Remote
Control System

This is a system originated and developed by JVC for facilitating various system operations.
The following is a brief explanation of this system:

Automatic source selection

When the supplied COMPU LINK cord is utilized to connect this unit to others equipped with COMPU LINK jacks, switching-in of each system component can be performed with a single touch on the source selector button located on a JVC amplifier or receiver.
When selection is carried out in this manner, the corresponding unit will automatically start operation.
Upon pressing of the play button, the source selector of the amplifier or receiver changes automatically. When a new unit is switched in, the previously selected component stops operation within five seconds.

Synchronized recording

Synchronized recording refers to the process in which a JVC cassette deck starts recording, synchronized with this unit. Synchronized recording is carried out as follows:

1. Set the cassette deck to the recording pause mode in accordance with its instructions.
2. To record only certain tracks, program the tracks in any order, as desired.
3. Press the ► PLAY/II PAUSE button on the front panel of this unit. The cassette deck automatically starts recording, synchronized with this unit.

Notes

- *Synchronized recording stops automatically when this unit stops playback.*
- *To cancel synchronized recording, press the stop button of this unit or the cassette deck.*
- *To properly operate the synchronized recording, the buttons/controls other than POWER, ■ STOP and OPEN do not function.*
- *If the recording pause mode is set on the cassette deck by pressing the II PAUSE button after pressing the ● REC and ► PLAY buttons simultaneously, synchronized recording is not possible. For details, refer to the instructions for the cassette deck.*

Automatic power on/off function

This function is to control the power on/off of the receiver/amplifier or this unit respectively as the following.

- When this unit enters playback mode, the power of the receiver or amplifier is turned on.
- When the source selector of the receiver/amplifier is set to CD function mode, the power of this unit is turned on.

Notes

- *Abnormal operation may result if the power supply of the component(s) is interrupted. If this happens, you must start over again.*
- *Ensure that the COMPU LINK jacks of the each components are connected with the supplied COMPU LINK cord. Also, be sure to fully read the instructions for each component.*
- *When the power of the amplifier or receiver is switched off, this unit is also turned off automatically.*

Specifications

General

Format:	Compact disc digital audio
Signal detection system:	Non-contact optical detection
CD capacity:	5 discs
Sampling frequency:	44.1 kHz
Power requirements:	AC 120 V ∿ , 60 Hz
Power consumption:	18 watts
Dimensions (W x H x D):	435 x 128 x 391 mm (17-1/8 x 5-1/16 x 15-3/8 inches)
Weight:	5.2 kg (11.5 lbs)

Audio performance

Frequency response:	2 Hz to 20,000 Hz (±1 dB)
Dynamic range:	More than 98.0 dB (at 1 kHz)
Signal to noise ratio:	More than 107.0 dB
Total harmonic distortion:	Less than 0.0022% (at 1 kHz)
Channel separation:	More than 94.0 dB (at 1 kHz)
Wow and flutter:	Below the measurable limit
Output level:	2.0 Vrms (at full scale)

Accessories

AC power cord 1
Audio cord 1
COMPU LINK cord 1
Remote control unit (RM-SX215U) (XL-F215TN only) 1
Battery (UM-3D/AA) (XL-F215TN only) 2

Design and specifications subject to change without notice.

Specifications

General

Format:	Compact disc digital audio
Signal detection system:	Non-contact optical detection
CD capacity:	5 discs
Sampling frequency:	44.1 kHz
Power requirements	
U.S.A. and Canada	AC 120 V ∿ , 60 Hz
Continental Europe:	AC 230 V ∿ , 50 Hz
United Kingdom:	AC 240 V ∿ , 50 Hz
Power consumption:	18 watts
Dimensions (W x H x D):	435 x 128 x 391 mm (17-1/8 x 5-1/16 x 15-3/8 inches)
Weight:	5.2 kg (11.5 lbs)

Audio performance

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Accessories

AC power cord 1
Audio cord 1
COMPU LINK cord 1
Remote control unit (RM-SX215U) (XL-F216BK only) 1
Battery (UM-3D/AA) (XL-F216BK only) 2

Design and specifications subject to change without notice.